

END TERM EXAMINATION

THIRD SEMESTER [BCA] NOV.-DEC. 2018

Paper Code: BCA-205

Subject: Front End Design Tools VB.Net

Time : 3 Hours

Maximum Marks :75

Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each unit.

- Q1 Attempt **any ten** of the following: [2.5x10]
- What are various components in Visual Basic.NET IDE?
 - What is enumeration? Explain with example.
 - Differentiate between Optional Argument and ParamArray argument in Procedure calling with example.
 - Difference between list box and combo box.
 - What are different data types in VB.Net.
 - Explain Dynamic Array? Explain with suitable example.
 - Explain the various features of .Net.
 - Difference between ADO and ADO.Net
 - Explain assemblies in VB.NET.
 - What is difference between a picture box and image box control.
 - Explain namespaces.
 - Explain garbage collector and its use.

Unit - I

- Q2 (a) What is Array List? Explain five methods of Array List Class with example. [6.5]
(b) What is Client Server model? Explain Two and Three Tier Model [6]

OR

- Q3 (a) Explain Dot Net Architecture and its various components (such as CLS, CTS, CLR foundation class libraries etc.). [7.5]
(b) Explain exception handling techniques in VB.Net [5]

Unit - II

- Q4 (a) Explain any three types of loop available in Visual Basic.NET with example. [5]
(b) What is a procedure? Explain different types of procedures in Visual Basic.NET. Write a procedure to find area, circumference of a circle [7.5]

OR

- Q5 (a) Write a program to find factorial of a number accepted by user and another program to find whether the given number is a prime number or not. [8]
(b) What is code access security? [4.5]

Unit - III

- Q6 Define following terms: [12.5]
- | | | |
|-----------------|---------------|-----------------|
| (a) Message Box | (b) Check Box | (c) Inheritance |
| (d) List view | (e) Text Box | (f) Overloading |

OR

- Q7 (a) Explain the use and working of OpenFileDialog, Save Dialog, Color Dialog and Font Dialog Controls along with their example. [7.5]
(b) Explain the concept of Constructor and Destructor with suitable example [5]

Unit - IV

- Q8 (a) Explain ADO.Net architecture and their components in details. [8]
(b) Write short note on : Data Set, Data Reader and Connection Objects. [4.5]

OR

- Q9 (a) What is Crystal Report? Write the steps to create a Crystal report. [4.5]
(b) Write a Program to the ADO.Net code to insert the record into the employee table containing the columns such as emp_id, emp_name and salary. [8]

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